

ABSTRACT

A system and method for producing multi-colored carpets using a tufting machine. The present invention features a system and method for: providing a multi-colored pattern which is
5 analyzed for validity with reference to a particular tufting machine; collecting parameters concerning a particular tufting machine; determining the colors of yarn to load with each needle of the particular tufting machine; and generating a report including a palette of colors used within the pattern, a chart indicating which color of yarns are used within each needle position, and a summary of the number of yarn cones needed to create a carpet of a predetermined size
10 with the particular tufting machine.